

MarFlex® 5440

Low Density Polyethylene
Chevron Phillips Chemical Company LLC

Message:

MarFlex® 5440 is a low density polyethylene material. This product is available in North America or Latin America. The processing method is: cast film.
MarFlex® The main characteristic of 5440 is transparency.
Typical application areas include:
packing
Movie

General Information			
Features	Definition, high		
Uses	Packaging		
	Films		
Forms	Films		
Processing Method	cast film		
Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.2	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction	0.15		ASTM D1894
Films	Nominal Value	Unit	Test Method
Oxygen Permeability (32 µm)	170	cm ³ · mm/m ² /atm/24 hr	ASTM D3985
Water Vapor Transmission	14	g/m ² /24 hr	ASTM E96
Dart Drop Test	30.9	kN/m	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	73.4	kN/m	ASTM D1922
TD	98.5	kN/m	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	98.3	°C	ASTM D1525
Melting Temperature	111	°C	DSC
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 31.8 µm)	135		ASTM D2457
Haze (31.8 µm)	4.0	%	ASTM D1003
Additional Information			

Nominal Cast Film Properties at 1.25 milProcess Aid: NoneAntiblock: NoneSlip: 1000

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